

role	
role_name	varchar(15)
role_id	integer

user	
email	varchar(50)
username	varchar(50)
password	varchar(100)
role_id	integer
user_id	integer

status	
status_name	varchar(15)
status_id	integer

discipline	
discipline_name	varchar(15)
discipline_id	integer

news	
user_id	integer
title	varchar(50)
content	varchar(1000)
date	timestamp
news_id	integer

solve	
user_id	integer
time	varchar(15)
status_id	integer
discipline_id	integer
scramble	varchar(500)
date	timestamp
solve_id	integer

comment	
news_id	integer
user_id	integer
content	varchar(200)
date	timestamp
comment_id	integer

like	
news_id	integer
user_id	integer
date	timestamp
like_id	integer

role_id

status_id

discipline_id

user_id

user_id

user_id

user_id

news_id

news_id